

**MODEL:** UJC-HP-G-5-SMT-TR | **DESCRIPTION:** USB RECEPTACLE**FEATURES**

- USB Type C receptacle
- designed for power only applications
- reflow solder compatible
- tape & reel packaging

**SPECIFICATIONS**

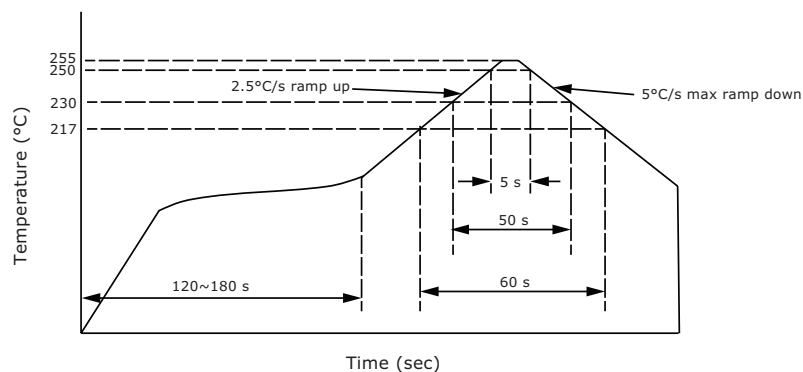
parameter	conditions/description	min	typ	max	units
rated input voltage				20	Vdc
rated input current	as per EIA-364-70, Method B				
	power pins collectively [A9, A12, B9, B12]			3.0	A
	VCDNN pins individually [A5, B5]			1.25	A
contact resistance ¹	between terminals and mating plug			40	mΩ
insulation resistance	between adjacent contacts	100			MΩ
voltage withstand	between adjacent contacts	100			Vac
insertion force	at a rate of 12.5 mm/min	5		20	N
withdrawal force	at a rate of 12.5 mm/min	8		20	N
life	at a rate of 200 cycles per hour		5,000		cycles
operating temperature		-30		85	°C
flammability rating	UL94V-0				
RoHS	yes				

Note: 1. When measured at 20 mV / 100 mA.
2. All specifications measured at 10~35°C, humidity at 45~85%, under standard atmospheric pressure, unless otherwise noted.

SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reel storage	at relative humidity 65~70%	25		30	°C
reflow soldering ³	see reflow profile		255	260	°C

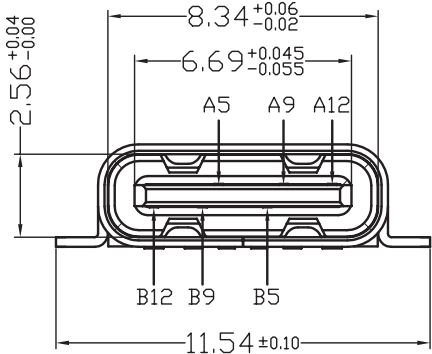
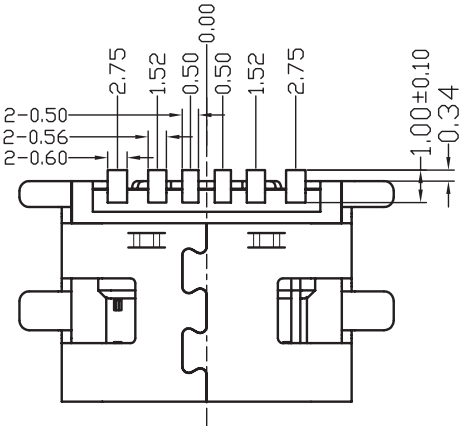
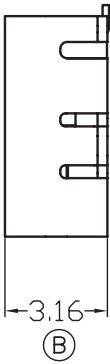
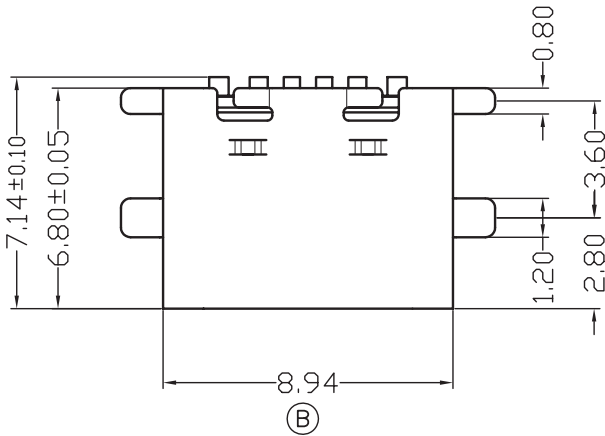
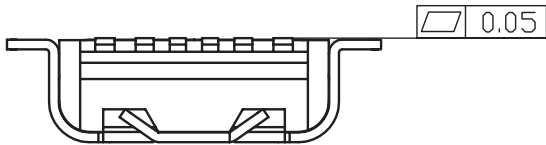
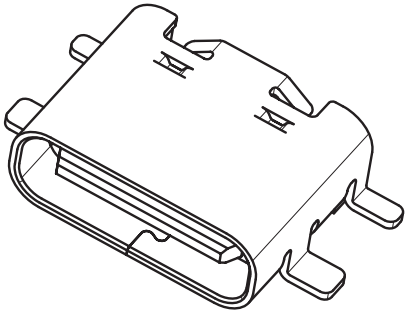
Note: 3. It is recommended to reflow solder within 3 months from opening vacuum packaging at a temperature of 25~30°C & relative humidity 65~70%.



MECHANICAL DRAWING

units: mm
tolerance:
X, ± 0.50 mm
X.X ± 0.30 mm
X.XX ± 0.20 mm
X.XXX ± 0.10 mm
unless otherwise noted

	MATERIAL	PLATING
insulator	LCP [UL94V-0]	black
contact	copper alloy	contact area: gold flash solder area: matte tin over nickel
shell	stainless steel	nickel



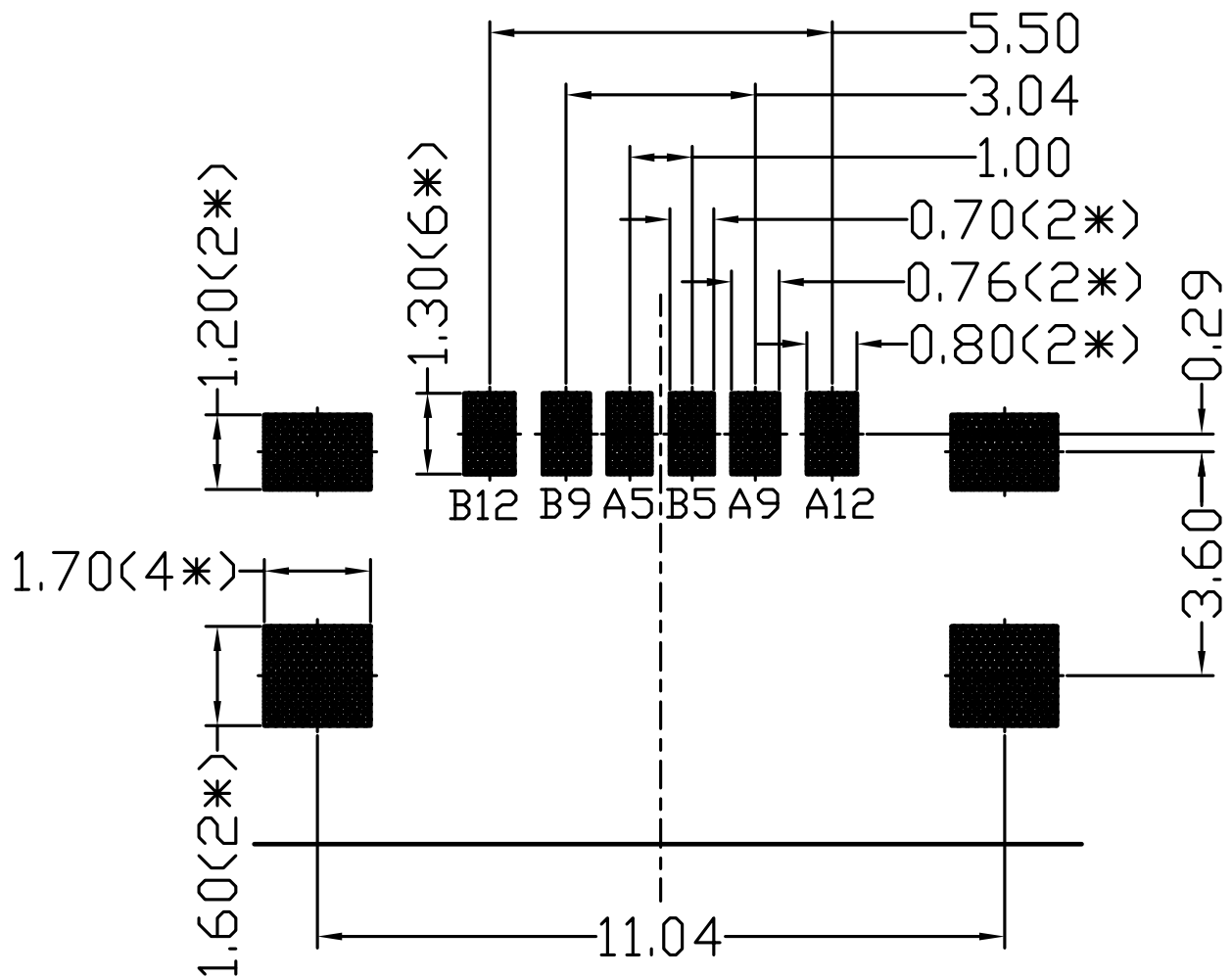
MECHANICAL DRAWING (CONTINUED)

units: mm

PCB tolerance: ± 0.05 mm

PCB thickness: 0.8 mm

PIN CONNECTIONS			
PIN	SIGNAL NAME	PIN	SIGNAL NAME
A5	CC1	B5	CC2
A9	V _{BUS}	B9	V _{BUS}
A12	GND	B12	GND

Recommended PCB Layout
Top View

PACKAGING

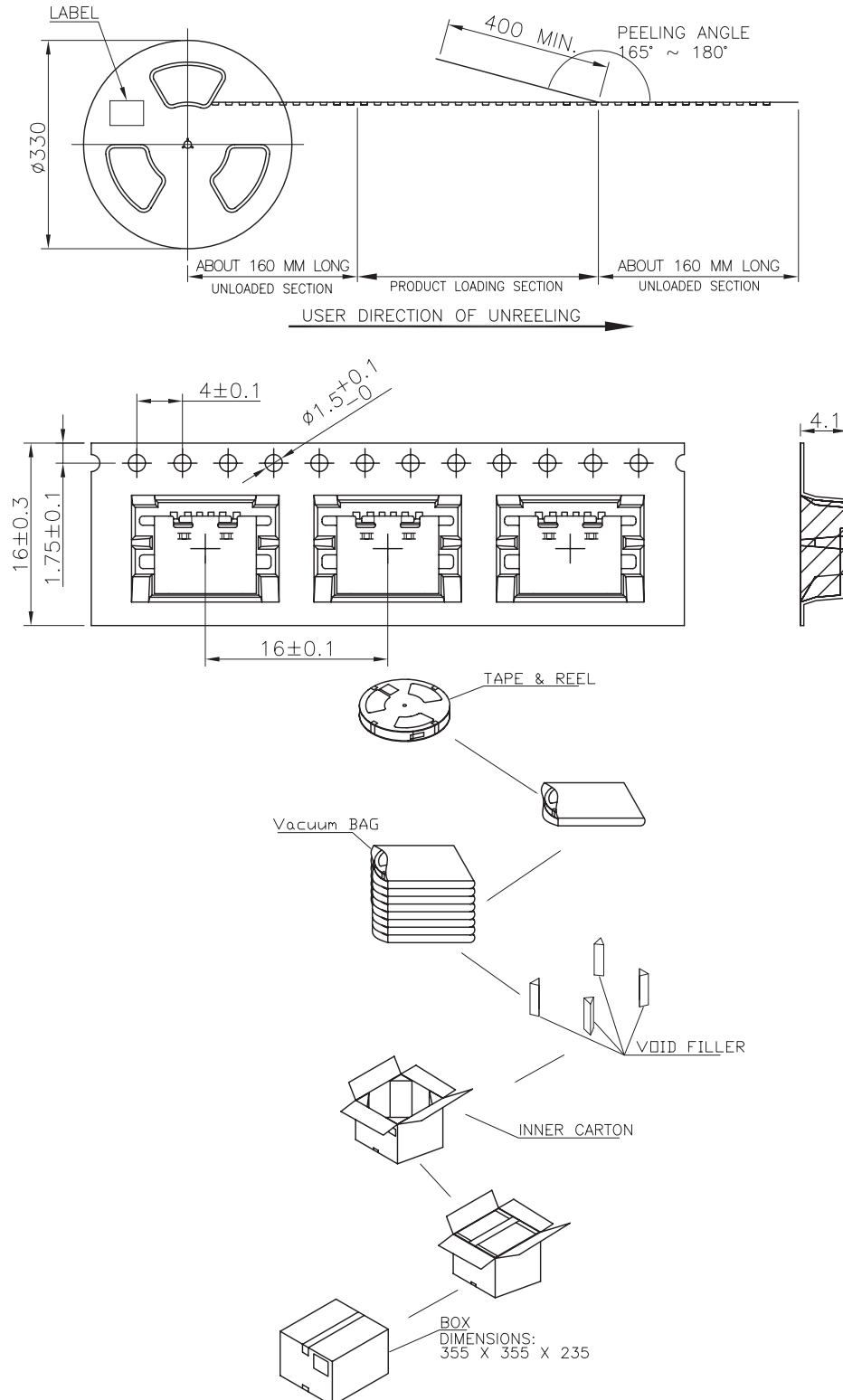
units: mm

Reel Size: $\varnothing 330$ mm

Reel QTY: 1,000 pcs per reel

Carton Size: 355 x 355 x 235 mm

Carton QTY: 10,000 pcs



REVISION HISTORY

rev.	description	date
1.0	initial release	06/16/2022
1.01	logo, datasheet style update	10/11/2022
1.02	added dimensions to PCB layout	03/03/2023
1.03	CUI Devices rebranded to Same Sky	09/12/2024
1.04	added pin numbers to PCB layout	02/07/2025

The revision history provided is for informational purposes only and is believed to be accurate.



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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